

Abstract

One embodiment includes an apparatus for display of video data from a designated number of an N number of video channels. The apparatus comprises an N number of video decoders to receive the video data from the N number of video channels. A designated number of the N number of video decoders to decode the video data from the designated number of the N number of video channels. The apparatus also comprises a P number of video processing pipelines coupled to the N number of video decoders through a switch network. The switch network configured to connect any of the outputs from the N number of video decoders to any of the inputs into the P number of video processing pipelines.